

Abstract

A light detector having a cathode wafer, a cavity wafer and an anode wafer. The cathode wafer may be bonded to one side of the cavity wafer and the anode wafer may be bonded to another 5 side of the cavity wafer. The cathode wafer may have numerous cathodes, the anode wafer numerous anodes and the cavity wafer numerous cavities which may be aligned on a one-to-one basis to form a wafer structure of a plurality of detectors which may be diced into separable detector chips. When there is a voltage 10 potential across a cathode and an anode, and a gas such as Ne or the like in the cavity, a reception of light such as ultra violet may result in an electronic discharge between the cathode and anode of the light detector.